

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-019-(41)	2018	ADD.28	43

GUARDRAIL SCHEDULE																			
REMOVE EXISTING GUARDRAIL STATION LOCATIONS		INSTALL NEW GUARDRAIL STATION LOCATIONS		LEFT	RIGHT	GUARDRAIL REMOVAL LENGTH (FT.)	 NEW GUARDRAIL LENGTH (FT.)	INSTALL 8-FT. POST (EACH)	GUARDRAIL END TREATMENTS								REMARKS		
									TO EXISTING	RUBRAIL (LIN. FT.)	MODIFIED TYPE "A-1"		MODIFIED TYPE "G"		FLEAT 350			SKT 350	
											LEAD	TRAIL	LEAD	TRAIL	LEAD	TRAIL		LEAD	TRAIL
FROM (KAWAIHAE RD.)	TO (QUEEN K. HWY.)	FROM (KAWAIHAE RD.)	TO (QUEEN K. HWY.)						LEAD	TRAIL		LEAD	TRAIL	LEAD	TRAIL	LEAD	TRAIL		
86+24.00	7+00.15	85+67.00	7+00.15		●	435.5	537.5	--	--	1	--	--	--	--	1	--	--	--	
91+28.00	10+90.00	91+28.00	11+02.00	●		512.5	525.0	--	--	--	--	1	--	--	--	1	--	--	
TOTAL						948	1,062.5	--	1	--	1	--	2	--					

STRIPING AND PAVEMENT MARKING SCHEDULE														
STATION		TRAFFIC REGIME		THERMOPLASTIC EXTRUSION (Lin. Ft.)						PAVEMENT MARKERS (Each)				
				4" Single White Stripe (E.P.)	4" Single White Stripe (Guide Line)	8" Single White Stripe	12" Single White Stripe	4" Double Yellow Stripe	12" Single Yellow Stripe	A	C	D	H	J
FROM	TO	LEFT	RIGHT											
KAWAIHAE ROAD														
81+00.00	88+19.00	NP	NP	1,438	--	--	--	719	--	--	36	36	--	--
85+74.00	88+05.00	--	--	--	231	--	--	--	--	--	--	--	--	--
86+78.00		Pavement Arrow								--	--	--	--	--
88+05.00	89+01.00	--	--	--	--	96	--	--	--	--	5	--	--	--
88+34.00		Pavement Arrow								--	--	--	--	--
89+01.00	89+94.00	Channelizing Island		--	--	186	62	--	--	--	9	--	--	--
89+94.00	90+19.00	Open (Queen K.)		--	--	--	--	--	--	--	--	--	--	--
90+06.55	90+18.55	Stop Bar		--	--	--	12	--	--	--	--	--	--	--
90+19.00	90+57.00	Channelizing Island		--	--	38	81	--	--	--	--	--	--	--
90+42.00	90+54.00	Stop Bar		--	--	--	12	--	--	--	--	--	--	--
90+44.00	91+94.00	--	--	--	--	150	--	--	--	--	8	--	--	--
91+94.00	93+00.00	--	--	--	106	--	--	--	--	--	--	--	--	--
88+19.00	89+55.00	Transverse Median		272	--	--	--	275	36	--	--	--	--	--
90+43.00	91+95.00	NP	NP	304	--	--	--	152	--	--	8	8	--	--
91+95.00	94+63.00	Transverse Median		268	--	--	--	536	108	--	--	--	--	--
94+63.00	96+60.01	NP	NP	394	--	--	--	197	--	--	10	10	--	--
QUEEN KA'AHUMANU HIGHWAY														
5+80.00	12+40.02	NP	NP	1,320	--	--	--	660	--	--	34	33	--	--
5+76.00	6+48.00	Channelizing Island		--	--	144	--	--	--	--	7	--	--	--
6+48.00	8+40.00	--	--	--	--	192	--	--	--	--	10	--	--	--
8+42.00	10+36.00	--	--	--	196	--	--	--	--	--	--	--	--	--
Total				3,996	533	806	143	2,539	144	--	127	87	--	--

PAVEMENT ARROW SCHEDULE			
STATION	TRAFFIC REGIME		Remarks
	LEFT	RIGHT	
KAWAIHAE ROAD			
86+78.00		●	Right Arrow
88+34.00		●	Right Arrow
90+58.00	●		Left Arrow
91+80.00	●		Left Arrow
QUEEN KA'AHUMANU HIGHWAY			
6+48.00	●		Right Arrow
8+08.00	●		Right Arrow
9+69.00	●		Right Arrow
Total			7



12/1/17	Added Pavement Arrow Schedule. Added Stop Bar quantities. Revised new guardrail length quantities.
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DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MISCELLANEOUS SCHEDULES
QUEEN KA'AHUMANU HIGHWAY
INTERSECTION IMPROVEMENTS
AT KAWAIHAE ROAD
Federal-Aid Project No. HSIP-019-(41)
Date: Sept., 2017

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
TRACED BY		
NOTED BY		
CHECKED BY		

SIGN REPLACEMENT, REMOVAL, AND INSTALLATION SCHEDULE									
STATION	LEFT	RIGHT	M.P.	TYPE	SIGN TO REMAIN	REMOVE	INSTALL (10 SQ. FT. OR LESS)		DESTINATION SIGN PANEL (S.F.) 
							W/POST	WO/POST	
KAWAIHAE ROAD									
82+29		●	2.05	 Waimea 10 Kailua 34 					40.5
84+45	●		2.01	ADOPT-A-HIGHWAY (AKAU OHANA)	●				
84+61	●		2.01	BUCKLE UP IT'S THE LAW CLICK IT OR TICKET	●				
84+87	●		2.00	MILE MARKER 2 ROUTE MARKER 270 (BI)	●				
86+69		●	1.97	 Waimea 10 Kailua 34 		1			
87+67	●		1.95	SPEED LIMIT 35	●				
87+76		●	1.95	ROUTE MARKER (19) 		2	1	1	
88+82	●		1.92	ROUTE MARKER (270)	●				
90+11	●		67.03	 Kawaihae 1 Hawi 19 Waimea 10   FOOD-GAS	●				
91+25	●		67.00	ROUTE MARKERS (19) & (270)  	●				
91+34	●		67.00	MILE MARKER 67 ROUTE MARKER (19) (BI)	●				
91+56		●	66.99	ROUTE MARKER (19)	●				
91+78		●	66.99	ADOPT-A-HIGHWAY (THE KAHANU'S)	●				
92+74		●	66.97	SPEED LIMIT 35	●				
93+03	●		66.96	 Kawaihae 1 Hawi 19  Kohala Coast Kailua 34	●				
94+89	●		66.92	BUCKLE UP IT'S THE LAW CLICK IT OR TICKET	●				
95+49		●	66.91	UNLAWFUL TO LITTER \$500 FINE	●				
QUEEN KA'AHUMANU HIGHWAY									
5+91			67.04	CHEVRON		1			
6+03	●					1			
6+15						1			
6+25	●		67.04	STOP SIGN		1	1		
6+62		●	67.05	BEGIN SHOULDER RUMBLE STRIP		1			
6+71	●		67.05	END SHOULDER RUMBLE STRIP		1			
7+65	●		67.07	ROUTE MARKER (270)		1	1		

Note: Route Marker signs shall be paid for under pay items 631.0100 - Regulatory and Warning Sign (10 Square Feet or Less) with post and 631.0200 - Regulatory and Warning Sign (10 Square Feet or Less) without post, as applicable.

CENTERLINE RUMBLE STRIP SCHEDULE			
FROM	TO	RUMBLE STRIPS (Lin. Ft.)	REMARKS
KAWAIIHAE ROAD			
81+00.00	85+74.00	474	
QUEEN KA'AHUMANU HIGHWAY			
10+36.00	12+40.02	204	
Total		678	

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
NOTE BOOK <i>file, kg</i> <i>44-hamsch2.dwg</i>	DRAWN BY λ	**
	TRACED BY _____	**
	DESIGNED BY λ	**
	QUANTITIES BY _____	**
	CHECKED BY _____	**

	12/1/17	Added Route Marker sign note. Added Destination Sign Panel (S.F.) column.
	DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SCHEDULES

QUEEN KA'AHUMANU HIGHWAY
INTERSECTION IMPROVEMENTS
AT KAWAIHAE ROAD

Federal-Aid Project No. HSIP-019-1(41)

Date: Sept., 2017

SHEET No. 2 OF 2 SHEETS